Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/13/2016 10:44 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124700	-1	1.73	124558	1.69
Blue	F	SSC	125000	124495	-1	3.23	124901	2.99
Blue	E	FITC	22946	22536	-2	2.42	999	9.57
Blue	D	PE	28770	28279	-2	2.00	1014	8.65
Blue	B	PerCP-Cy5-5	51099	50536	-2	3.24	1446	15.92
Blue	A	PE-Cy7	42312	42024	-1	4.87	652	34.08
Red	C	APC	52169	51827	-1	2.81	3000	9.12
Red	A	APC-Cy7	56705	56181	-1	2.85	1164	10.66
Violet	B	V450	14708	14098	-5	4.41	676	9.20
Violet	A	V500	58608	57513	-2	4.24	2547	6.76

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19858	4.21	595	-3	N/A	N/A	Pass
Blue	F	SSC	61926	2.02	523	5	N/A	N/A	Pass
Blue	E	FITC	114	35.79	532	1	0.0241	127	Pass
Blue	D	PE	223	26.16	527	1	0.2175	275	Pass
Blue	B	PerCP-Cy5-5	229	41.75	624	2	0.0115	85	Pass
Blue	A	PE-Cy7	72	107.83	672	1	0.0127	4	Pass
Red	C	APC	349	26.74	590	0	0.0222	83	Pass
Red	A	APC-Cy7	128	39.71	575	-1	0.0066	2200	Pass
Violet	B	V450	82	41.51	468	9	0.0449	1766	Pass
Violet	A	V500	186	23.62	498	10	0.0141	596	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.16	-31.00	0.82
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.32
Red	16.86	13.27 - 19.91	N/A	N/A	31.47	31.69	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 11012

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments